

CLAIMS

- 1 1. A recessed electrical outlet box and cover system mountable substantially flush
2 with a mounting surface for receiving at least one plug having an electrical cord
3 extending therefrom, the outlet box and cover system comprising:
 - 4 an outlet box having side walls extending from a back wall, the walls defining a space
5 therebetween, the outlet box comprising outlet mounting screw holes;
 - 6 an insert having side walls extending from a back wall, the walls defining a space
7 therebetween, the insert walls sized and shaped to insert at least partially into the
8 outlet box, the insert having mounting screw apertures in the back wall; and
 - 9 a cover sized to cover the space defined by the insert, the cover configured to pivotally
10 couple with the insert such that the cover can pivot to a closed position over the
11 space between the insert walls;
- 12 wherein at least one guide ridge extends from an inside surface of at least one outlet box
13 side wall and at least one movement restraining guide extends from an outside
14 surface of at least one insert side wall, the guide ridge extending at a location
15 corresponding to the movement restraining guide such that when the insert is
16 placed into the outlet box, the interaction between the guide ridge and the
17 movement restraining guide restricts rotational movement of the insert within the
18 outlet box and aligns at least a portion of the mounting screw apertures of the
19 insert with at least a portion of the mounting screw holes of the outlet box.
- 1 2. The system of claim 1, wherein the insert back wall comprises at least one
2 electrical device aperture therethrough.
- 1 3. The system of claim 2, wherein the electrical device aperture comprises two
2 electrical device apertures sized and shaped to receive socket faces of a duplex
3 outlet.

- 1 4. The system of claim 2, wherein the insert back wall further comprises at least one
2 removable tab which when removed converts the electrical device aperture from a
3 first configuration corresponding to a first electrical device, to a second
4 configuration different from the first configuration and corresponding to a second
5 electrical device.
- 1 5. The system of claim 1, wherein the insert back wall comprises at least one clip on
2 its outside surface, the clip configured to engage a yoke of an electrical outlet and
3 hold the electrical outlet against the recess member.
- 1 6. The system of claim 5, wherein the at least one clip comprises at least two pair of
2 prongs extending from the back surface, each pair of prongs having a space
3 between the pair corresponding to a width of a portion of an electrical outlet such
4 that when the electrical outlet is placed against the prongs, the prongs grasp the
5 electrical outlet to hold the electrical outlet against the recess member.
- 1 7. The system of claim 5, the insert back wall further comprising a slot positioned on
2 the recess member back wall in relation to the mounting screw apertures to
3 receive a first yoke of an electrical device, wherein the at least one clip comprises
4 a bracket, the bracket positioned on the recess member back wall in relation to the
5 mounting screw apertures to clamp a second yoke of the electrical device.
- 1 8. The system of claim 1, wherein at least one of the outlet mounting screw holes
2 comprising a hole opening having an opening diameter and a hole body having a
3 body diameter, the opening diameter being larger than the body diameter, the hole
4 opening sloping to the hole body to form a conical opening with a total opening
5 angle between about 20 degrees to about 135 degrees.
- 1 9. The system of claim 8, wherein the total opening angle is between about 60
2 degrees to about 105 degrees.

- 2 10. The electrical device box of claim 1, wherein the total opening angle is between
3 about 85 degrees to about 95 degrees.

1 11. The electrical device box of claim 1, wherein the hole opening diameter is
2 approximately 1.5 times to approximately 3.5 times larger than the diameter of the
3 hole body diameter.

1 12. The electrical device box of claim 1, wherein the hole opening diameter is
2 approximately 3 times larger than the diameter of the hole body diameter.

1 13. The electrical device box of claim 1, wherein the hole opening has a depth of
2 approximately 0.5 times to approximately 2 times the diameter of the hole body
3 diameter.

1 14. The electrical device box of claim 1, wherein the hole opening has a depth
2 approximately equal to the diameter of the hole body diameter.

- 1 15. An electrical device box for mounting an electrical device, the box comprising:
- 2 a plurality of side walls and a back wall defining a space therebetween for receiving an
- 3 electrical device;
- 4 at least two mounting screw holes each attached to at least one wall of the box and
- 5 positioned within the box to receive mounting screws of the electrical device;
- 6 wherein at least one mounting screw hole includes a hole opening having an opening
- 7 diameter and a hole body having a body diameter, the opening diameter being
- 8 larger than the body diameter, the hole opening sloping to the hole body to form a
- 9 conical opening with a total opening angle between about 20 degrees to about 135
- 10 degrees.
- 1 16. The electrical device box of claim 15, wherein the total opening angle is between
- 2 about 60 degrees to about 105 degrees.
- 1 17. The electrical device box of claim 15, wherein the total opening angle is between
- 2 about 85 degrees to about 95 degrees.
- 1 18. The electrical device box of claim 15, wherein the total opening angle is between
- 2 about 105 degrees to about 135 degrees.
- 1 19. The electrical device box of claim 15, wherein the total opening angle is between
- 2 about 20 degrees to about 60 degrees.
- 1 20. The electrical device box of claim 15, wherein the hole opening diameter is
- 2 approximately 1.5 times to approximately 3.5 times larger than the diameter of the
- 3 hole body diameter.
- 1 21. The electrical device box of claim 15, wherein the hole opening diameter is
- 2 approximately 3 times larger than the diameter of the hole body diameter.
- 1 22. The electrical device box of claim 15, wherein the hole opening has a depth of

2 approximately 0.5 times to approximately 2 times the diameter of the hole body
3 diameter.

1 23. The electrical device box of claim 15, wherein the hole opening has a depth
2 approximately equal to the diameter of the hole body diameter.